

14. 1/15

All amounts are calculated in domestic currency.

Page 1 of 1

Grouped by Vendor ID

[illegible]

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7  
Tel.: 450 641-3330

Customer: 6323336

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

Shipping Order  
29/04/2014  
Order Reference : 96282  
Bid Reference : CHANTAL  
Ship : 10193  
Ship To : PICK UP / PICK UP  
Same  
Tel.: 1 613 632-3336

Ship To

Same

Tel.: 1 613 632-3336

Item No.

Description

MP124130N

4130 NORM PLATE .500 THICK AMS 6345

11.6

11.6

Qty Qty. Deliver B/O Qty

SSQT34340494

304 SQ TUBE .750 X .049 WALL

800

800

SHIP TST COLLECT  
JP

HT: AKE040273

HT: J4F0

40 X 20' \*\*\*

40 X 3" X 14"

HT: C1318

8014-5-01

DMS  
989  
14-5-05

400#

252#

Merchandise Received:

Shipping :  
Package No :  
Ref. :



WE HEREBY CERTIFY THE ABOVE  
INFORMATION IS CORRECT  
ARCELORMITTAL PLATE LLC  
QUALITY ASSURANCE LABORATORY  
139 MODENA ROAD  
COATESVILLE, PA 19320

*Elmore Zapulny*  
SUPERVISOR - TEST REPORTING  
ELMORE ZAPULNY

HEAT TREAT CONDITION									
PL/TEST	NORMALIZE	TEMP	WOM	WOLD	WTHD	COOL	COOL	COOL	COOL
TEST	DESCRIPTION	TEMP	WOM	WOLD	WTHD	COOL	COOL	COOL	COOL
OR	HEAT TREAT	TEMP	WOM	WOLD	WTHD	COOL	COOL	COOL	COOL
WALT	DESCRIPTION	TEMP	WOM	WOLD	WTHD	COOL	COOL	COOL	COOL
MANUFACTURE									
ELECTRIC FURNACE QUALITY - FINELINE - VACUUM DEGAUSS - FINE GRAIN PRACTICE - MCOUARD-ENH GRAIN SIZE PER E112 - 7-8									
CHEMICAL COMPOSITION									
MELT: C1318	PROD ANALYSIS	V	0.057	0.012	0.001	0.001	0.001	0.001	0.001
MELT: C1318	PROD ANALYSIS	C	0.31	0.50	0.014	0.002	0.002	0.002	0.002
		MN	0.014	0.014	0.002	0.002	0.002	0.002	0.002
		P	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		S	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		CU	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		SI	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		NI	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		CR	0.002	0.002	0.002	0.002	0.002	0.002	0.002
		MO	0.002	0.002	0.002	0.002	0.002	0.002	0.002

THIS MATERIAL HAS BEEN MANUFACTURED AND TESTED IN ACCORDANCE WITH PURCHASE  
ORDER REQUIREMENTS AND SPECIFICATION(S).  
AMS 6346C YR 11 AIRCRAFT  
ALUMINUM QUALITY ASTM A829 OF GRADE 4130 & A131  
4130 97  
THE MANAGEMENT SYSTEMS FOR MANUFACTURE OF THIS PRODUCT ARE CERTIFIED  
TO ISO 9001:2008 (CERTIFICATE NO. 30130) AND ISO 14001 (CERTIFICATE  
NO. 009496)

CUSTOMER INFORMATION						
CUSTOMER PO: 011212MC						
SHIP TO:	7	GAUGE	WIDTH	LENGTH	DESCRIPTION	PIECE
	1486#	RECTANGLE	144.5"	72.5"	1486#	1486#

TEST CERTIFICATE  
ARCELORMITTAL PLATE LLC  
SHIP TO:  
SOLD TO:  
SEND TO:  
01-C  
DATE: 07/25/12  
MELT NO: C1318  
MILL ORDER NO: 15967-002  
FILE NO: 2765-01-01  
PAGE NO: 01 OF 02

WE HEREBY CERTIFY THE ABOVE  
INFORMATION IS CORRECT:  
ARCELORMITTAL PLATE LLC  
QUALITY ASSURANCE LABORATORY  
139 MODENA ROAD  
COATESVILLE, PA 19320

*Blaine J. Japling*  
SUPERVISOR - TEST REPORTING  
ELUNORE ZAPLITNY

GENERAL INFORMATION  
ALL STEEL HAS BEEN MELTED AND MANUFACTURED IN THE U.S.A.  
MATERIAL HAS BEEN VACUUM DEGAUSSED AND CALCIUM TREATED  
FOR SUITABLE SHAPE CONTROL  
MAG. PART. FREE, AND SEVERITY RATING PER AMS-2901K.  
ACID SOLUBLE ALUMINUM  
FOR MORE INFORMATION AND PROCESSING GUIDELINES, REFER TO  
WWW.ARCELORMITTAL.COM/PLATEINFORMATION  
REDUCTION RATIO - 18  
B/L #00104 MAVERICK TRANSPORTATION

OTHER METALLURGICAL AND MICROSTRUCTURAL TESTS

MAGNETIC PARTICLE - FREQUENCY .00001 - SEVERITY .00001

LOC	DEPTH	SURFACE	SURFACE
TOP	.012	0	0
TOP	.008	0	0
BOT.	.009	0	0
BOT.	.012	0	0

DECARS TESTING

LOC	DIR	YIELD STRENGTH PSI X 100	TENSILE STRENGTH PSI X 100	ELONGATION GAGE LGTH %
BOT.	TRANS.	719	1175	2.00" 16.0
BOT.	TRANS.	712	1195	2.00" 20.0
TOP	TRANS.	727	1189	2.00" 17.0
TOP	TRANS.	809	1210	2.00" 20.0

TENSILE PROPERTIES

MECHANICAL PROPERTIES  
BEND TEST - BOT./TRANS. - PASS  
BEND TEST - TOP/LONG. - PASS

TEST CERTIFICATE  
PAGE NO: 02 OF 02  
FILE NO: 2765-01-01  
ORDER NO: 79967-002  
MILL NO: C1318  
DATE: 07/25/12

# Material Certification

ISO 9001 MIH

EN 10204/3.1B

Ship To:

Date: 1/15/2014  
 Invoice No: KM2014/0084  
 Purchase P001894  
 Order No:

Sold To:

Country of Origin: Taiwan.

Item	Description	Heat No.	Finish	Specification	Grade
1:	3/4" SQ X 18GA X 20'	AKB040273	MF	ASTM A554-13	MT-304

Stainless Steel T.T.G. Welded Tubing.

## CHEMICAL PROPERTIES

C	Si	Mn	P	S	Cr	Ni	Mo
.040	.510	1.08	.029	.014	18.10	8.14	

## MECHANICAL PROPERTIES

Tensile (N/mm <sup>2</sup> )	Yield (N/mm <sup>2</sup> )	Elong. (%)	Hardness (HRB)	Flattening	Hydrostatic	Eddy Current
673.00	235.00	46.00	82.80			

WE HEREBY CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, THE MATERIAL LISTED ABOVE HAS BEEN MANUFACTURED IN ACCORDANCE WITH AND MEET THE ABOVE APPLICABLE SPECIFICATIONS AND GRADES, AND ALSO THAT THE MATERIAL WAS PRODUCED IN A MERCURY FREE ENVIRONMENT. THE CHEMICAL COMPOSITIONS OF THE MATERIAL ARE IN ACCORDANCE WITH ASTM A240.

Page: 1/1  
 Steve Chang  
 1/15/2014  
 Authorized Signature  
 Date



PHOENIX TUBE COMPANY, INC.  
Manufacturer of Stainless Ornamental and Structural Tubing

Ship To:

Sold To:

CUSTOMER ORDER#: C91016  
CUST REF NBR:  
DATE SHIPPED: 12/16/13  
SIZE: 3/4SQ X 18 GA AW  
SOURCE: USA D  
VENDOR: NAS  
Specification:  
ASTM A554-13  
T304L/304 DUAL CERTIFIED  
NO WELD REPAIR  
EN 10204 2.2  
NACE MR0175/01  
PLATE, SHEET OR STRIP  
PRECIPITATION  
COMPLIANT  
MFG USING  
ANNEALED AND PICKLED  
CONTINUOUS CARBIDE  
DFARS 252.225.7008  
RAW MATERIAL SPEC.  
ASTM A564 2003 SUPERSEDED  
ANNEALED, AND SHOWS NO  
1900F WATER QUENCHED  
MIN. SOLUTION ANNEAL TEMP

Phone# 5492603  
ORDER#: 322060  
QTY SHIPPED: 1400.0  
GRADE: 304  
HEAT#: 04F0  
TEST REPORT#: TR011271  
Report Date: 08/23/13

Ext: WELD: HF

MERCURY IS NOT USED BY US AS AN ALLOYING MATERIAL NOR IS METALLIC MERCURY HANDLED IN THE VICINITY OF OUR PROCESSING LINES. WE ARE NOT PRESENTLY AWARE OF ANY MERCURY CONTAMINATION.

Chemical Analysis

C	.02	MN	1.77	P	.03	S	.02	SI	.26	CR	18.14	NI	8.08	MO	.38	CU	.45	CO	0	N2	.09	TI	0
---	-----	----	------	---	-----	---	-----	----	-----	----	-------	----	------	----	-----	----	-----	----	---	----	-----	----	---

Physical Analysis

YIELD			TENSILE			OTHER		
Hardness	PSI	MPA	PSI	MPA	Percent EL	Percent RA		
RB 85	49750	0	96450	0	48	0		

THE CHEMICAL ANALYSES ARE CORRECT AS CONTAINED IN OUR CORPORATE RECORDS.  
PHYSICAL PROPERTIES ARE DETERMINED WHILE MATERIAL IS IN STRIP FORM.

Melted & Manufactured in the USA FAR BAA complies, DFARS BAA complies, FAR TAA complies

CERTIFIED BY Quality Control Dept.

*Thomas Lyngset*

1185 WIN DR, BETHLEHEM, PA., 18017 - (610) 865-5337

FAX NUMBER: 610-865-4073

154091

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: AK6040A73 / 3450  
 DATE: 14-05-02

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 800 ft  
 QUANTITY INSPECTED: 800 ft  
 QUANTITY REJECTED: \_\_\_\_\_

PO / BATCH NO.: 03964 / M129041

THICKNESS ORDERED: 0.075  
 THICKNESS RECEIVED: 0.075  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	
CORRECT FINISH	<input checked="" type="radio"/> Y	
CORROSION	<input checked="" type="radio"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION  
 INSPECTED BY: 9  
 SIGNED OFF BY: 12  
 DATE: 14-05-02  
 DATE: 14/5/2

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H450UB500X3.00 DATE: 14-05-05

THICKNESS ORDERED: .500" THICKNESS RECEIVED: .500"

SHEET SIZE ORDERED: — SHEET SIZE RECEIVED: —

MATERIAL CERT REC'D: Yes QUANTITY RECEIVED: 50 x 14"

QUANTITY INSPECTED: 40 QUANTITY REJECTED: 0

PO / BATCH NO.: 33964 / H129041

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	
CORRECT FINISH	<input checked="" type="radio"/> Y	
CORROSION	<input checked="" type="radio"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	
CORRECT # ON THE MATERIAL	<input checked="" type="radio"/> Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.	RECORD RESULTS BELOW	TYPE OF MATERIAL	SIZE OF TEST SAMPLE	HARDNESS / DUROMETER READING
		HRC		
		HRB		
		DUR A		
		DUR D		

Testers located in the Quality Office

QC 18 INSPECTION ENGINEERING SIGNOFF (if required)

INSPECTED BY: 9 DATE: 14-05-05

SIGNED OFF BY: 9 DATE: 14-05-05

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
Purchase Order ID PO23964  
Purchase Order Date 4/28/2014  
PO Print Date 4/28/2014  
Page Number 1 of 2

Order From :

METAUX SOLUTIONS  
2625 BOUL JACQUES-CARTIER EST  
LONGUEVILLE, QC J4N 1L7  
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAKED**  
5/14/12

Contact Name  
Vendor Phone

800 558 8858

Ship To Contact  
Ship To Phone

TST ground

Ship Via:  
Ship Acct:

Destination-Collect

Buyer  
Customer POID  
Customer Tax #

10127-2607

Terms  
Currency  
FOB

Net 30  
CAD

Line Nbr	Reference	Vendor Part Number	Description/ Mfg ID	Reg Date/ Taxable	CD	Reg Qty/ Unit of Measure	PO Unit Price	Extended Price
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1	M4130NB0.500X03.000	4130 Bar 0.500 x 3.00	5/7/2014	Yes	5/7/2014	47.00	\$29.57	\$1,389.68
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MATERIAL: AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528

40 PCS CUT TO SIZE 14"

2	M304T50.750W.049	304 SQ Tube	5/7/2014	Yes	5/7/2014	800.00	\$3.80	\$3,040.00
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.75x.75x.049W

MATERIAL: AISI 304/316 SEAMLESS STEEL SQUARE TUBING

AS PER ASTM A554 MILL FINISH  
OR  
AS PER ASTM A269 MILL FINISH

Line Total:

\$3,040.00

Note:

4/28/2014



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
Purchase Order ID PO23964

Purchase Order Date 4/28/2014  
PO Print Date 4/28/2014

Page Number 2 of 2

**Order From :**

METAUX SOLUTIONS  
2625 BOUL JACQUES-CARTIER EST  
LONGUEUIL, QC J4N 1L7  
CA

VC-MET002

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone

800 558 8858

Ship To Contact  
Ship To Phone

TST ground

Ship Via:

FOB

Destination-Collect

Currency

CAD

Terms

Net 30

Customer Tax #

10127-2607

Customer POID

Chantal Laviole

Buyer

3 71401-45

PROCUREMENT  
QUALITY CLAUSES

5/7/2014

No

5/7/2014

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

Line Total:

\$0.00

PO Total:

\$4,429.68

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 4/28/2014

4/28/2014